

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I verily believe that I an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **ANTISENSE OLIGONUCLEOTIDE INHIBITION OF RAS** the specification of which:

(xx) is attached hereto.

( ) was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

Country	Number	Date Filed	Priority Claimed			
			Yes		No	
			Yes		No	
			Yes		No	

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (pending, patented)
09/128,494	August 3, 1998	pending
08/411,734	April 3, 1995	pending
PCT/US93/09346	October 1, 1993	
08/007,996	January 21, 1993	abandoned
07/958,134	October 5, 1992	abandoned

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: **Jane Massey Licata**, Registration No. 32,257, and **Kathleen A. Tyrrell**, Registration No. 38,350 of the firm of **Law Offices of Jane Massey Licata**, 66 East Main Street, Marlton, New Jersey 08053, and

Address all telephone calls and correspondence to:

**Jane Massey Licata, Esq.**  
Law Offices of Jane Massey Licata  
66 East Main Street  
Marlton, New Jersey 08053

Telephone No.: (856) 810-1515

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or

imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	Full Name: Brett P. Monia	Inventor's Signature:	Date:
	Residence: 7605 Nueva Castilla Way, LaCosta, CA 92009	Citizenship: USA	
	Post Office Address: Same as above.		
2	Full Name: Lex M. Cowsert	Inventor's Signature:	Date
	Residence: 3008 Newshire Street, Carlsbad, CA 92008	Citizenship: USA	
	Post Office Address: Same as above.		
3	Full Name: Muthiah Manoharan	Inventor's Signature:	Date
	Residence: 7634 Reposada Drive, Carlsbad, CA 92009	Citizenship: USA	
	Post Office Address: Same as above.		
4	Full Name:	Inventor's Signature:	Date
	Residence:	Citizenship:	
	Post Office Address: Same as above.		

002250-4554550

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) AND 1.27 (c)) - SMALL BUSINESS CONCERN			Docket No. ISPH-0463
Serial No. Not yet assigned	Filing Date Herewith	Patent No.	Issue Date
Applicant/ Monia et al. Patentee:			
Invention: ANTISENSE OLIGONUCLEOTIDE INHIBITION OF RAS			
<p>I hereby declare that I am:</p> <p><input type="checkbox"/> the owner of the small business concern identified below:</p> <p><input checked="" type="checkbox"/> an official of the small business concern empowered to act on behalf of the concern identified below:</p> <p>NAME OF CONCERN: <u>Isis Pharmaceuticals, Inc.</u></p> <p>ADDRESS OF CONCERN: <u>2292 Faraday Avenue, Carlsbad, CA 92008</u></p> <p>I hereby declare that the above-identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.</p> <p>I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the above identified invention described in:</p> <p><input checked="" type="checkbox"/> the specification filed herewith with title as listed above.</p> <p><input type="checkbox"/> the application identified above.</p> <p><input type="checkbox"/> the patent identified above.</p> <p>If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed on the next page and no rights to the invention are held by any person, other than the inventor, who could not qualify as an independent inventor under 37 CFR 1.9(c) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).</p>			

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ISIS PATENT GROUP  
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Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- ☒ no such person, concern or organization exists.  
☐ each such person, concern or organization is listed below.

FULL NAME  
ADDRESS

☐ Individual ☐ Small Business Concern ☐ Nonprofit Organization

FULL NAME  
ADDRESS

☐ Individual ☐ Small Business Concern ☐ Nonprofit Organization

FULL NAME  
ADDRESS

☐ Individual ☐ Small Business Concern ☐ Nonprofit Organization

FULL NAME  
ADDRESS

☐ Individual ☐ Small Business Concern ☐ Nonprofit Organization

Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING:

B. Lynne Parshall

TITLE OF PERSON SIGNING

OTHER THAN OWNER:

Executive Vice President

ADDRESS OF PERSON SIGNING:

Isis Pharmaceuticals, Inc.  
Carlsbad Research Center  
2292 Faraday Avenue  
Carlsbad, CA 92008

SIGNATURE: 

DATE:

5/19/00